

In the Claims

Please substitute the following amended claims for those currently pending:

1. (withdrawn) A method for repair of an insulating glass unit having a pair of glass panes and a peripheral spacer having a wall extending between the panes, the panes and spacer defining a between pane space and the insulating glass unit being encased in a peripheral frame, the method comprising the steps of:
  - a. drilling a bore through the frame to expose an outer surface of the spacer wall;
  - b. drilling a hole through the spacer wall to enable air or other gas to enter the between pane space to equalize the pressure across each pane and enable the panes to regain substantial parallelism;
  - c. sealing the hole in the spacer wall; and
  - d. sealing the bore in the frame.
2. (withdrawn) The method of claim 1 wherein the step of sealing the hole in the spacer wall includes the step of inserting a rivet through the bore in the frame.
3. (withdrawn) The method of claim 2 wherein the rivet includes a sealant, the method including the step of deforming the rivet within the hole in the spacer wall so that the sealant seals the rivet to the spacer wall to seal the hole with a gas-tight seal.
4. (withdrawn) The method of claim 1 wherein the step of sealing the hole in the spacer wall includes the step of inserting a screw through the bore in the frame.

5. (withdrawn) The method of claim 1 wherein the step of sealing the hole in the spacer wall includes the steps of;

providing a rivet and a gasket; and

inserting the rivet through an opening in the gasket and through the hole in the spacer wall so that the gasket is interposed between a flange of the rivet and the spacer wall.

6. (withdrawn) The method of claim 5, wherein the gasket comprises an elastometric material.

7. (withdrawn) The method of claim 1 further including the step of providing a drill bit for drilling through the frame and the spacer wall, the drill bit having a stop for preventing it from extending within the window unit from the edge of the frame by more than a predetermined distance.

8. (withdrawn) The method of claim 7, wherein the drill bit includes a first drill bit portion having a length configured to extend to but not beyond the exterior surface of the spacer wall, and a second drill bit portion of smaller diameter than the first drill bit portion and extending distally of the first portion.

9. (withdrawn) The method of claim 7, further including the step drilling a bore with the drill bit from the edge of the frame inwardly as far as the stop allows, the first drill bit portion

being received within the frame only, and the second drill bit portion extending through the wall of the spacer.

10. (withdrawn) The method of claim 1 wherein the spacer is generally tubular so as to provide spaced outer and inner walls, and wherein the hole through the spacer wall is formed only through the outer wall.

11. (withdrawn) A kit for repair of an insulating glass unit having a pair of glass panes and a peripheral spacer having a wall extending between the panes, the panes and spacer defining a between pane space and the glass unit being encased in a peripheral frame, the kit comprising:

- a. a drill bit assembly for drilling a hole through the frame and spacer wall; and
- b. a rivet receivable within the hole drilled in the spacer wall.

12. (withdrawn) The kit of claim 11, wherein the rivet includes a deformable sealant coating capable of sealing the rivet to the spacer wall.

13. (withdrawn) The kit of claim 11, further including a gasket.

14. (withdrawn) The kit of claim 13, wherein the gasket comprises an elastometric material.

15. (withdrawn) The kit of claim 11, wherein the drill bit has a first drill bit portion having a second diameter that is similar to a body diameter of a body portion of the rivet, and a second drill bit portion having a first diameter that is similar to a flange diameter of a flange of the rivet.

16. (withdrawn) The kit of claim 11, further including a riveting fixture.

17. (withdrawn) The kit of claim 16, wherein the riveting fixture has a diameter that is similar to a flange diameter of a flange of the rivet.

18. (withdrawn) The kit of claim 11 wherein the drill bit assembly comprises a stop preventing it from extending within the window unit from the edge of the frame by more than a predetermined distance, a first drill bit portion having a length such that the distal end of the first portion extends to but not beyond the exterior surface of the spacer wall, and a second drill bit portion of smaller diameter than the first drill bit portion and extending distally of the first portion for drilling a hole in the spacer.

19. (withdrawn) The kit of claim 11 further including a drill guide receivable against the frame of a window unit and having a bore positioned to guide the drill bit through the frame to intersect the spacer.

20. (withdrawn) The kit of claim 11, wherein the rivet includes a stem that is dimensioned so that the stem extends beyond the peripheral frame when the rivet is received in the hole drilled in the spacer wall.

21. (withdrawn) The kit of claim 11, wherein the rivet includes a body having an end wall fixed to a generally cylindrical side wall.

22 -25. (Cancelled)

26. (currently amended) The combination of ~~claim 25~~ claim 33, wherein the bore fluidly communicates with an atmosphere.

27. (currently amended) The combination of ~~claim 25~~ claim 33, wherein the bore extends through the frame.

28. (currently amended) The combination of ~~claim 25~~ claim 33, wherein the between-pane space fluidly communicates with an atmosphere via the hole and the bore.

29. (currently amended) The combination of ~~claim 25~~ claim 33, wherein the hole and the bore allow gas flow between the between the between-pane space and an atmosphere.

30. (currently amended) The combination of ~~claim 25~~ claim 33, wherein the hole and the bore function to equalize a pressure inside the between-pane space with an atmosphere while the insulating glass unit is encased in the frame.

31. (currently amended) The combination of ~~claim 25~~ claim 33, wherein a pressure inside the between-pane space is substantially equal to atmospheric pressure.

32. (canceled)

33. (currently amended) ~~The combination of claim 25, further including~~  
In combination:  
an in situ insulating glass unit encased in a frame;  
the insulating glass unit comprising a pair of panes and a peripheral spacer having an outer wall extending between the panes;  
the outer wall of the peripheral spacer defining a hole communicating with a between-pane space defined by the panes and the spacer;  
the frame defining a bore fluidly communicating with the hole; and  
a rivet having a body disposed in the bore of the frame.

34. (previously presented) The combination of claim 33, wherein the rivet is free to move between a first position in which the hole is substantially unobstructed and a second position in which the body of the rivet is inserted in the hole.

35. (new) In combination:

an in situ insulating glass unit encased in a frame;

the insulating glass unit comprising a pair of panes and a peripheral spacer having an outer wall extending between the panes;

the outer wall of the peripheral spacer defining a hole and the frame defining a bore generally aligned with the hole;

a rivet having a body received in the hole and a stem extending beyond the frame;

the body having a first, undeformed shape and the body being capable of assuming a second, deformed shape in which an end wall and a side wall of the rivet extend completely across the hole; and

wherein moving the stem relative to the body causes the body to assume the second, deformed shape.

36. (new) The combination of claim 35, wherein the bore fluidly communicates with an atmosphere.

37. (new) The combination of claim 35, wherein the bore extends through the frame.

38. (new) The combination of claim 35, wherein the between-pane space fluidly communicates with an atmosphere via the hole and the bore.

39. (new) The combination of claim 35, wherein the hole and the bore allow gas flow between the between-pane space and an atmosphere.

40. (new) The combination of claim 35, wherein the hole and the bore function to equalize a pressure inside the between-pane space with an atmosphere while the insulating glass unit is encased in the frame.

41. (new) The combination of claim 35, wherein a pressure inside the between-pane space is substantially equal to atmospheric pressure.

42. (new) In combination:

- an in situ insulating glass unit encased in a frame;
- the insulating glass unit comprising a pair of panes and a peripheral spacer having an outer wall extending between the panes;
- the outer wall of the peripheral spacer defining a hole and the frame defining a bore generally aligned with the hole;
- a rivet having a body received in the hole and a stem extending beyond the frame;
- the body having a first outer diameter;
- the body being capable of assuming a deformed shape in which a distal portion of the body has a second outer diameter greater than the first outer diameter;
- the first outer diameter being smaller than an inner diameter of the hole and the second outer diameter being greater than the inner diameter of the hole; and
- wherein moving the stem relative to the body causes the body to assume the deformed shape.

43. (new) The combination of claim 42, wherein the bore fluidly communicates with an atmosphere.
44. (new) The combination of claim 42, wherein the bore extends through the frame.
45. (new) The combination of claim 42, wherein the between-pane space fluidly communicates with an atmosphere via the hole and the bore.
46. (new) The combination of claim 42, wherein the hole and the bore allow gas flow between the between-pane space and an atmosphere.
47. (new) The combination of claim 42, wherein the hole and the bore function to equalize a pressure inside the between-pane space with an atmosphere while the insulating glass unit is encased in the frame.
48. (new) The combination of claim 42, wherein a pressure inside the between-pane space is substantially equal to atmospheric pressure.